

For Research Use Only

Anti-Rat CD8 (OX-8) Mouse IgG2a Recombinant Antibody, PBS Only

Catalog Number: 65577-1-PBS



Basic Information

Catalog Number:

65577-1-PBS

Size:

1mg, 2 mg/ml

Source:

Mouse

Isotype:

IgG2a

GenBank Accession Number:

BC088126

GeneID (NCBI):

24930

Full Name:

CD8a molecule

Purification Method:

Protein A purification

CloneNo.:

OX-8

Applications

Tested Applications:

FC

Species Specificity:

rat

Background Information

CD8 is a transmembrane glycoprotein composed of two disulfide-linked chains. It can be present as a homodimer of CD8 α or as a heterodimer of CD8 α and CD8 β (PMID: 3264320; 8253791). CD8 is found on most thymocytes. The majority of class I-restricted T cells express mostly the CD8 $\alpha\beta$ heterodimer while CD8 $\alpha\alpha$ homodimers alone have been found on some gut intraepithelial T cells, on some T cell receptor (TCR) $\gamma\delta$ T cells and on NK cells (PMID: 2111591; 1831127; 8420975). CD8 acts as a co-receptor that binds to MHC class-I and participates in cytotoxic T cell activation (PMID: 8499079). During T cell development, CD8 is required for positive selection of CD4-/CD8+ T cells (PMID: 1968084).

Storage

Storage:

Store at -80°C.

Storage Buffer:

PBS Only

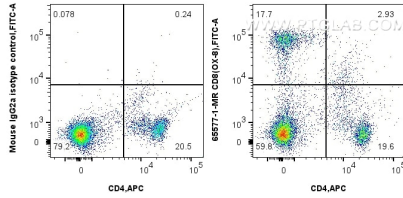
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

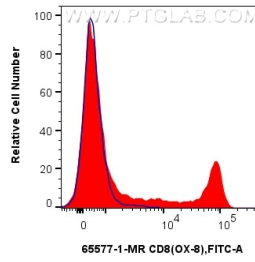
E: proteintech@ptglab.com
W: ptglab.com

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Selected Validation Data



1×10^6 rat splenocytes were surface stained with 0.25 μ g Anti-Rat CD8a Mouse IgG2a Recombinant Antibody (65577-1-MR, Clone: OX-8) or Mouse IgG2a Isotype Control (65208-1-Ig, Clone: C1.18.4) and FITC anti-Mouse IgG2a Antibody. Cells were then stained with APC Anti-Rat CD4. Cells were not fixed. This data was developed using the same antibody clone with 65577-1-PBS in a different storage buffer formulation.



1×10^6 rat splenocytes were surface stained with 0.25 μ g Anti-Rat CD8 Mouse IgG2a Recombinant Antibody (65577-1-MR, Clone: OX-8) (red) or Mouse IgG2a Isotype Control (65208-1-Ig, Clone: C1.18.4) (blue) and FITC anti-Mouse IgG2a Antibody. Cells were not fixed. This data was developed using the same antibody clone with 65577-1-PBS in a different storage buffer formulation.